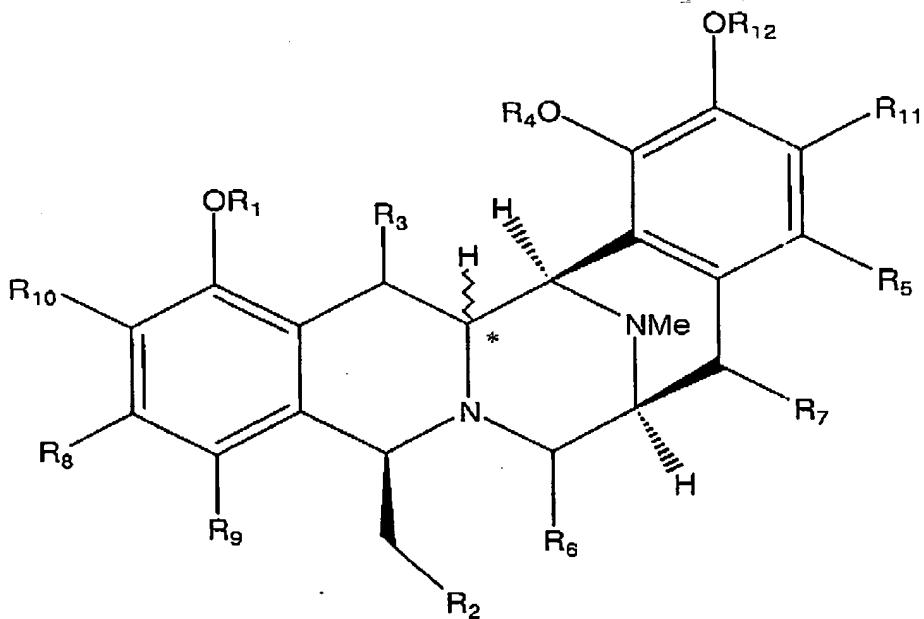


Applicants : Samuel J. Danishefsky and Bishan Zhou
 Serial No. : 10/728,580
 Filed : December 5, 2003
 Page 3

In The Claims

Please amend the claims by replacing all prior versions, and listings, of claims pursuant to 37 C.F.R. §1.121(c) as follows:

1. (Currently Amended) A compound having the formula:



wherein R₁ and R₄ is H, a C₁ to C₄ alkyl group, C(O)(C₁-C₄ alkyl) or benzyl;

wherein R₂ is H, OH, O(C₁-C₄ alkyl), O-benzyl, OC(O)H, OC(O)(C₁-C₆ alkyl), OC(O)(C₁-C₄ alkyl), OC(O)benzyl, OSi(CH₃)₂(t-butyl), or a phthalimide group;

wherein R₃ is =O, OH, O(C₁-C₄ alkyl), OC(O)(C₁-C₂ alkyl), or OC(O)benzyl;

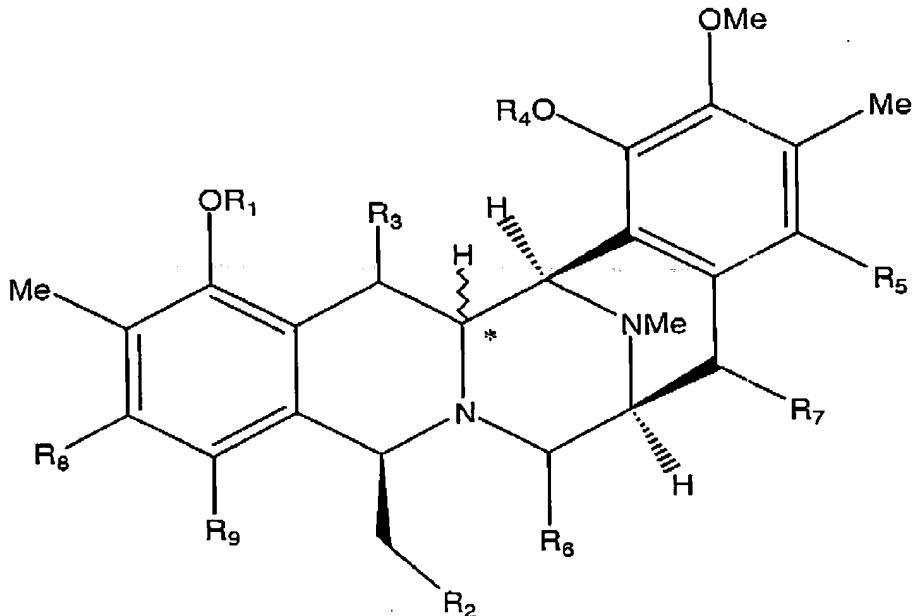
wherein R₅ is H, halogen, OH, or -OC₍₁₋₆₎ alkyl group;

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 4

wherein R₆ is =O, OH, OCH₃, CN, OC(O)H, OC(O)(C₁-C₅-alkyl)
OC(O)(C₁-C₄ alkyl), or OC(O)benzyl;
wherein R₇ is H, =O, OH, or halogen;
wherein R₈ and R₉ are independently H, CH₃, OCH₃, OC₂H₅,
Br, F, or CF₃;
wherein R₁₀ and R₁₁ are independently CH₃, OCH₃, OC₂H₅,
SCH₃, or SC₂H₅;
wherein R₁₂ is H, a C₁ to C₄ alkyl group, or C(O)(C₁-C₄
alkyl); and
wherein the chiral center marked * has the R or the S
configuration.

Applicants : Samuel J. Danishefsky and Bishan Zhou
 Serial No. : 10/728,580
 Filed : December 5, 2003
 Page 5

2. (Currently Amended) The compound of claim 1, having the formula:



wherein R₁ and R₄ is H, a C₁ to C₄ alkyl group, C(O)(C₁-C₄)alkyl or benzyl;

wherein R₂ is H, OH, O(C₁-C₄ alkyl), O-benzyl, OC(O)H, OC(O)(C₁-C₆ alkyl), OC(O)(C₁-C₄ alkyl), OC(O)benzyl, OSi(CH₃)₂(t-butyl), or a phthalimide group;

wherein R₃ is =O, OH, O(C₁-C₄ alkyl), OC(O)(C₁-C₂ alkyl), or OC(O)benzyl;

wherein R₅ is H, halogen, OH, or -OC₍₁₋₆₎ alkyl group;

wherein R₆ is =O, OH, OCH₃, CN, OC(O)H, OC(O)(C₁-C₅ alkyl), OC(O)(C₁-C₄ alkyl), or OC(O)benzyl;

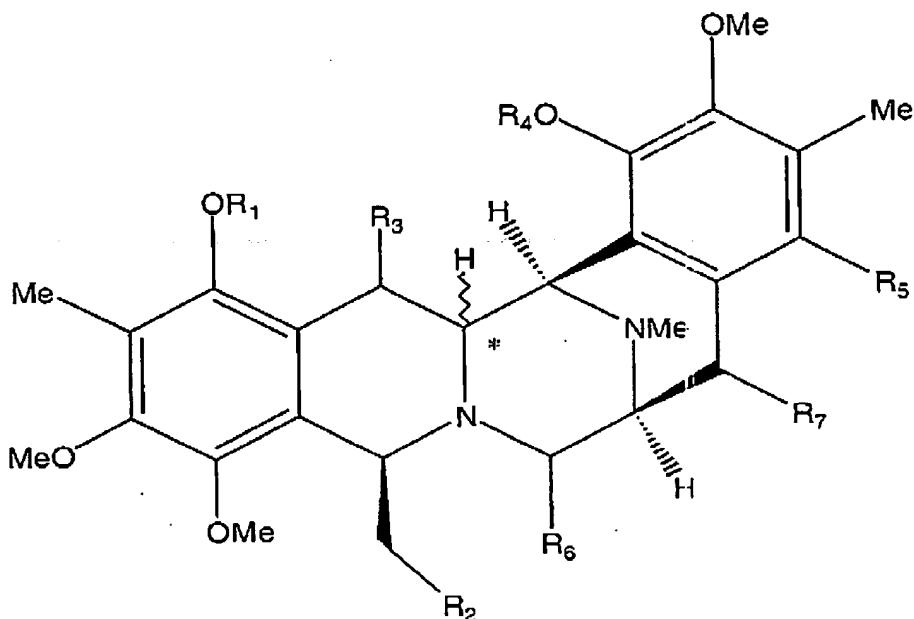
wherein R₇ is H, =O, OH, or halogen;

wherein R₈ and R₉ are independently H, CH₃, OCH₃, OC₂H₅, Br, F, or CF₃; and

wherein the chiral center marked * has the R or the S configuration.

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 6

3. (Currently Amended) The compound of claim 2, having the formula:



wherein R₁ and R₄ is H, a C₁ to C₄ alkyl group, C(O)(C₁-C₄ alkyl) or benzyl;

wherein R₂ is H, OH, O(C₁-C₄ alkyl), O-benzyl, OC(O)H, OC(O)(C₁-C₆ alkyl), OC(O)(C₁-C₄ alkyl), OC(O)benzyl, OSi(CH₃)₂(t-butyl), or a phthalimide group;

wherein R₃ is =O, OH, O(C₁-C₄ alkyl), OC(O)(C₁-C₂ alkyl), or OC(O)benzyl;

wherein R₅ is H, halogen, OH, or -OC₍₁₋₅₎ alkyl group;

wherein R₆ is =O, OH, OCH₃, CN, OC(O)H, OC(O)(C₁-C₅ alkyl), OC(O)(C₁-C₄ alkyl), or OC(O)benzyl;

wherein R₇ is H, =O, OH, or halogen and

wherein the chiral center marked * has the R or the S configuration.

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 7

4. (Original) The compound of claim 3, wherein R₁ is CH₃, R₃ is =O, R₄ is CH₃, R₅ is OCH₃, R₆ is =O, and R₇ is H.

5. (Original) The compound of claim 4, wherein R₂ is OC(O)H.

6. (Original) The compound of claim 4, wherein R₂ is H.

7. (Original) The compound of claim 4, wherein R₂ is OH.

8. (Previously presented) The compound of claim 4, wherein R₂ is -O-benzyl.

9. (Original) The compound of claim 4, wherein R₂ is OCOCH₃.

10. (Original) The compound of claim 4, wherein R₂ is -O-t-butyldimethylsilyl.

11. (Original) The compound of claim 4, wherein R₂ is -O-Pivaloyl.

12. (Original) The compound of claim 3, wherein R₁ is H, R₃ is =O, R₄ is CH₃, R₅ is OCH₃, R₆ is =O, and R₇ is H.

13. (Original) The compound of claim 12, wherein R₂ is -O-pivaloyl.

14. (Previously presented) The compound of claim 3, wherein R₁ is H, R₃ is =O, R₄ is benzyl, R₅ is OCH₃, R₆ is =O, and R₇ is H.

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 8

15. (Original) The compound of claim 3, wherein R₁ is H, R₃ is =O, R₄ is H, R₅ is OCH₃, R₆ is =O, and R₇ is H.

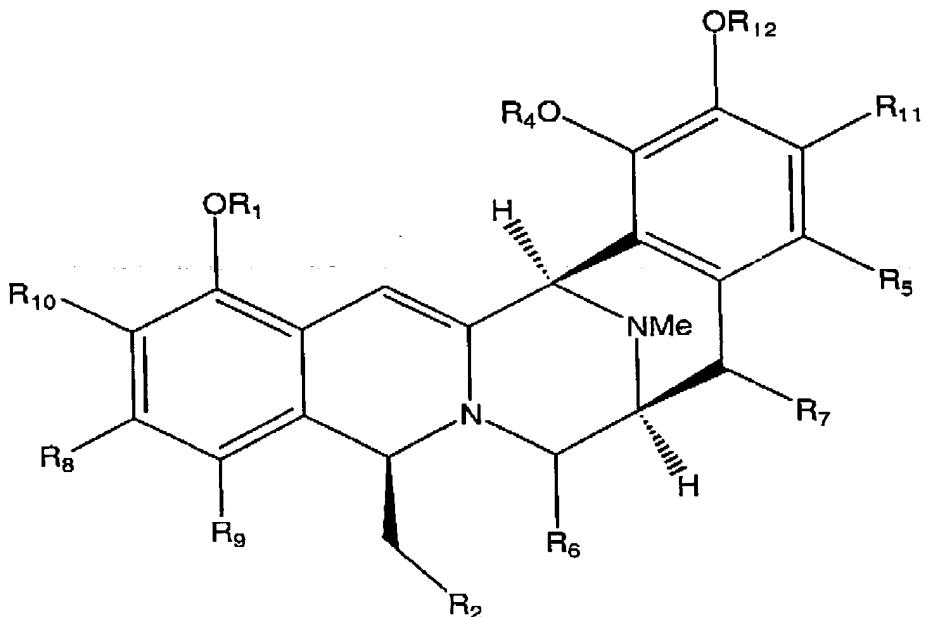
16. (Original) The compound of claim 3, wherein R₁ is H, R₃ is =O, R₄ is H, R₅ is H, R₆ is =O, and R₇ is H.

17. (Original) The compound of claim 3, wherein R₃ is =O, R₄ is H, R₅ is halogen, R₆ is =O, and R₇ is H.

18. - 32. (Canceled)

Applicants : Samuel J. Danishefsky and Bishan Zhou
 Serial No. : 10/728,580
 Filed : December 5, 2003
 Page 9

33. (Currently Amended) A compound having the formula:



wherein R₁ and R₄ is H, a C₁ to C₄ alkyl group, C(O)(C₁-C₄ alkyl) or benzyl;

wherein R₂ is H, OH, O(C₁-C₄ alkyl), O-benzyl, OC(O)H, OC(O)(C₁-C₆ alkyl), OC(O)benzyl, OSi(CH₃)₂(t-butyl), or a phthalimide group;

wherein R₅ is H, halogen, OH, or O(C₁-C₆ alkyl);

wherein R₆ is =O, OH, OCH₃, CN, OC(O)H, OC(O)(C₁-C₄ alkyl), or OC(O)benzyl;

wherein R₇ is H, =O, OH, or halogen;

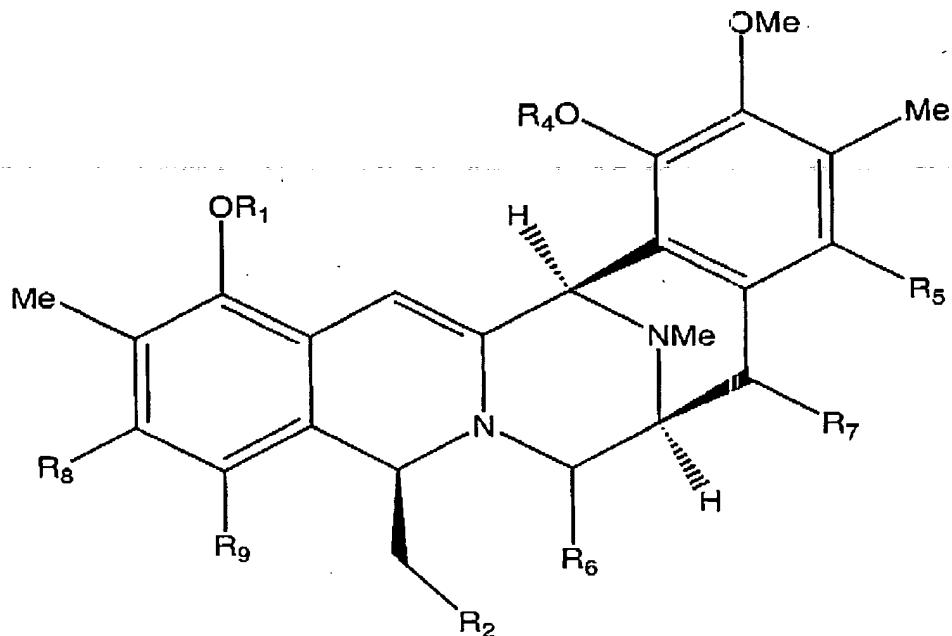
wherein R₈ and R₉ are independently H, CH₃, OCH₃, OC₂H₅, Br, F, or CF₃;

wherein R₁₀ and R₁₁ are independently CH₃, OCH₃, OC₂H₅, SCH₃, or SC₂H₅; and

wherein R₁₂ is H, a C₁ to C₄ alkyl group, or OC(O) benzyl.

Applicants : Samuel J. Danishefsky and Bishan Zhou
 Serial No. : 10/728,580
 Filed : December 5, 2003
 Page 10

34. (Currently Amended): The compound of claim 33, having the formula:



wherein R₁ and R₄ is H, a C₁ to C₄ alkyl group, C(O)(C₁-C₄ alkyl) or benzyl;

wherein R₂ is H, OH, O(C₁-C₄ alkyl), O-benzyl, OC(O)H, OC(O)(C₁-C₆ alkyl), OC(O)(C₁-C₄ alkyl), OC(O)benzyl, OSi(CH₃)₂(t-butyl), or a phthalimide group;

wherein R₅ is H, halogen, OH, or O(C₁-C₆ alkyl);

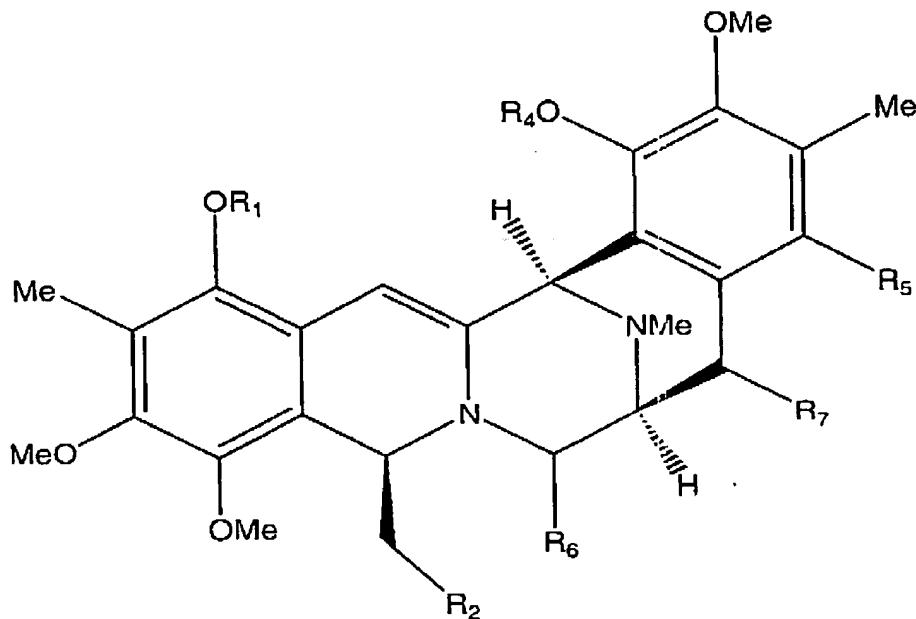
wherein R₆ is =O, OH, OCH₃, CN, OC(O)H, OC(O)(C₁-C₄ alkyl), or OC(O)benzyl;

wherein R₇ is H, =O, OH, or halogen; and

wherein R₈ and R₉ are independently H, CH₃, OCH₃, OC₂H₅, Br, F, or CF₃.

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 11

35. (Currently Amended) The compound of claim 34, having the formula:



wherein R₁ and R₄ is H, a C₁ to C₄ alkyl group, C(O)(C₁-C₄ alkyl) or benzyl;

wherein R₂ is H, OH, O(C₁-C₄ alkyl), O-benzyl, OC(O)H, OC(O)(C₁-C₆ alkyl), OC(O)(C₁-C₄ alkyl), OC(O)benzyl, OSi(CH₃)₂(t-butyl), or a phthalimide group;

wherein R₅ is H, halogen, OH, or O(C₁-C₆ alkyl);

wherein R₆ is =O, OH, OCH₃, CN, OC(O)H, OC(O)(C₁-C₄ alkyl), or OC(O)benzyl; and

wherein R₇ is H, =O, OH, or halogen.

36. (Original) The compound of claim 35, wherein R₁ is CH₃, R₄ is CH₃, R₅ is OCH₃, R₆ is =O, and R₇ is H.

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 12

37. (Original) The compound of claim 36, wherein R₂ is OC(O)H.

38. (Original) The compound of claim 36, wherein R₂ is H.

39. (Original) The compound of claim 36, wherein R₂ is OH.

40. (Previously presented) The compound of claim 36, wherein R₂ is -O-benzyl.

41. (Original) The compound of claim 36, wherein R₂ is OCOCH₃.

42. (Original) The compound of claim 36, wherein R₂ is -O-t-butyldimethylsilyl.

43. (Original) The compound of claim 36, wherein R₂ is -O-Pivaloyl.

44. (Original) The compound of claim 35, wherein R₁ is H, R₄ is CH₃, R₅ is OCH₃, R₆ is =O, and R₇ is H.

45. (Original) The compound of claim 44, wherein R₂ is -O-pivaloyl.

46. (Previously presented) The compound of claim 35, wherein R₁ is H, R₄ is benzyl, R₅ is OCH₃, R₆ is =O, and R₇ is H.

47. (Original) The compound of claim 35, wherein R₁ is H, R₄ is H, R₅ is OCH₃, R₆ is =O, and R₇ is H.

48. (Original) The compound of claim 35, wherein R₁ is H, R₄ is H, R₅ is H, R₆ is =O, and R₇ is H.

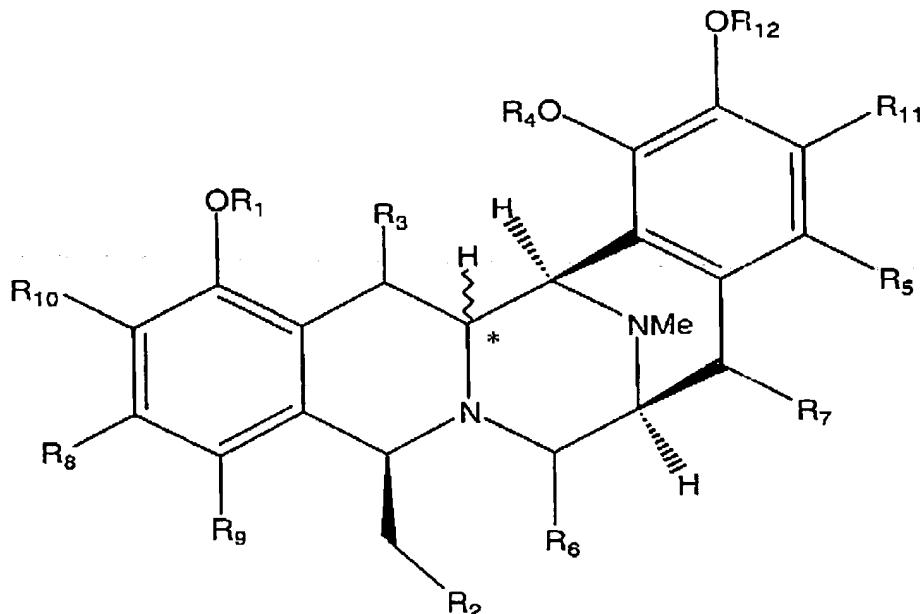
Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 13

49. (Original) The compound of claim 35, wherein R₁ is H, R₄ is H, R₅ is halogen, R₆ is =O, and R₇ is H.

50. - 83. (Canceled)

Applicants : Samuel J. Danishefsky and Bishan Zhou
 Serial No. : 10/728,580
 Filed : December 5, 2003
 Page 14

84. (Currently Amended) A compound having the formula:



wherein R₁ and R₄ is H, a C₁ to C₄ alkyl group, C(O)(C₁-C₄ alkyl) or benzyl;

wherein R₂ is H, OH, O(C₁-C₄ alkyl), O-benzyl, OC(O)H, OC(O)(C₁-C₆ alkyl) OC(O)(C₁-C₄ alkyl), OC(O)benzyl, or OSi(CH₃)₂(t-butyl);

wherein R₃ is =O, OH, H, O(C₁-C₄ alkyl), OC(O)(C₁-C₂ alkyl), or OC(O)benzyl;

wherein R₅ is H, halogen, OH, or -OC₂₋₆ alkyl group;

wherein R₆ is H, =O, OH, OCH₃, CN, OC(O)H, OC(O)(C₁-C₄ alkyl), or OC(O)benzyl;

wherein R₇ is H, =O, OH, OCH₃, or halogen;

wherein R₈ and R₉ are independently H, CH₃, OCH₃, OC₂H₅, Br, F, or CF₃;

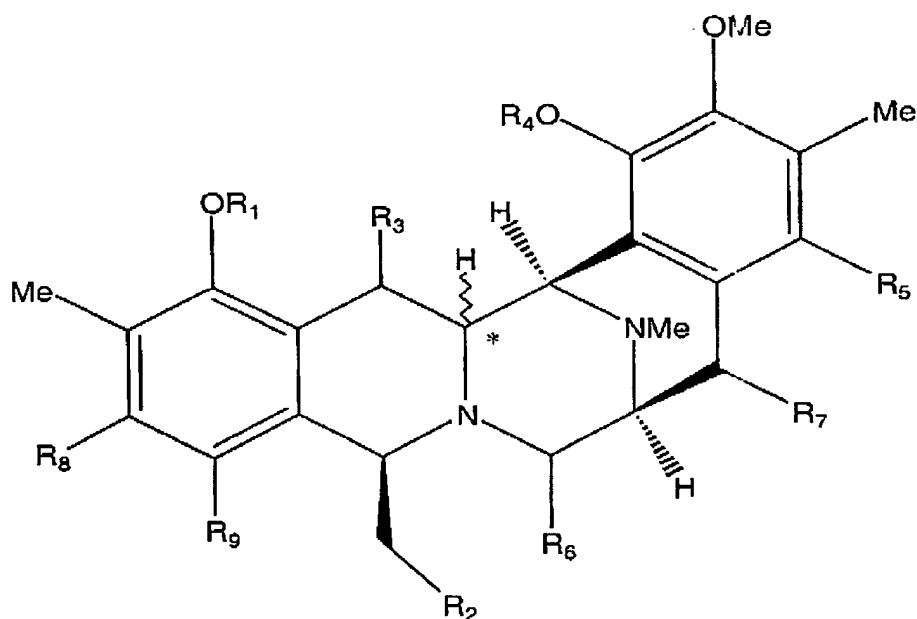
wherein R₁₀ and R₁₁ are independently CH₃, OCH₃, OC₂H₅, SCH₃, or SC₂H₅;

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 15

wherein R₁₂ is H, a C₁ to C₄ alkyl group, or C(O)(C₁-C₄)alkyl; and

wherein the chiral center marked * has the R or the S configuration.

85. (Currently Amended) The compound of claim 84, having the formula:



wherein R₁ and R₄ is H, a C₁ to C₄ alkyl group, C(O)(C₁-C₄)alkyl or benzyl;

wherein R₂ is H, OH, O(C₁-C₄ alkyl), O-benzyl, OC(O)H, OC(O)(C₁-C₆ alkyl), OC(O)(C₁-C₄ alkyl), OC(O)benzyl, or OSi(CH₃)₂(t-butyl);

wherein R₃ is =O, OH, H, O(C₁-C₄ alkyl), OC(O)(C₁-C₂ alkyl), or OC(O)benzyl;

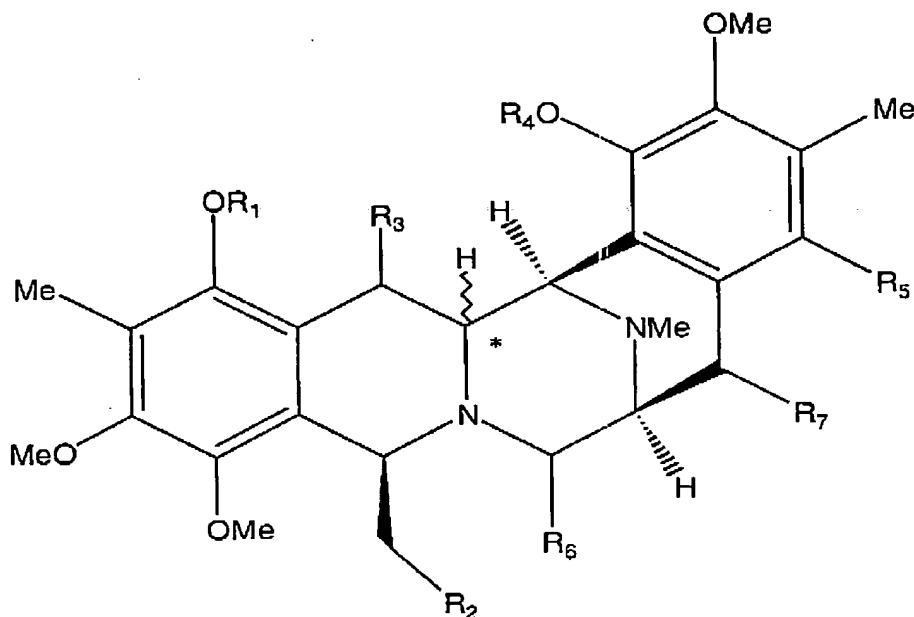
wherein R₅ is H, halogen, OH, or -OC₍₂₋₆₎ alkyl group;

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 16

wherein R₆ is H, =O, OH, OCH₃, CN, OC(O)H, OC(O)(C₁-C₄ alkyl), or OC(O)benzyl;
wherein R₇ is H, =O, OH, OCH₃, or halogen;
wherein R₈ and R₉ are independently H, CH₃, OCH₃, OC₂H₅, Br, F, or CF₃; and
wherein the chiral center marked * has the R or the S configuration.

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 17

86. (Currently Amended) The compound of claim 85, having the formula:



wherein R₁ and R₄ is H, a C₁ to C₄ alkyl group, C(O)(C₁-C₄ alkyl) or benzyl;

wherein R₂ is H, OH, O(C₁-C₄ alkyl), O-benzyl, OC(O)H, OC(O)(C₁-C₆ alkyl), OC(O)(C₁-C₄ alkyl), OC(O)benzyl, or OSi(CH₃)₂(t-butyl);

wherein R₃ is =O, OH, H, O(C₁-C₄ alkyl), OC(O)(C₁-C₂ alkyl), or OC(O)benzyl;

wherein R₅ is H, halogen, OH, or -OC₍₂₋₆₎ alkyl group;

wherein R₆ is H, =O, OH, OCH₃, CN, OC(O)H, OC(O)(C₁-C₄ alkyl), or OC(O)benzyl;

wherein R₇ is H, =O, OH, OCH₃, or halogen; and

wherein the chiral center marked * has the R or the S configuration.

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 18

87. (Previously presented) The compound of claim 86, wherein R₁ is H, R₂ is OH, R₃ is H, R₄ is H, R₅ is H, R₆ is =O, and R₇ is H.

88. (Original) The compound of claim 86, wherein R₃ is H, R₄ is CH₃, R₅ is OCH₃, and R₇ is H.

89. (Original) The compound of claim 88, wherein R₂ is OH.

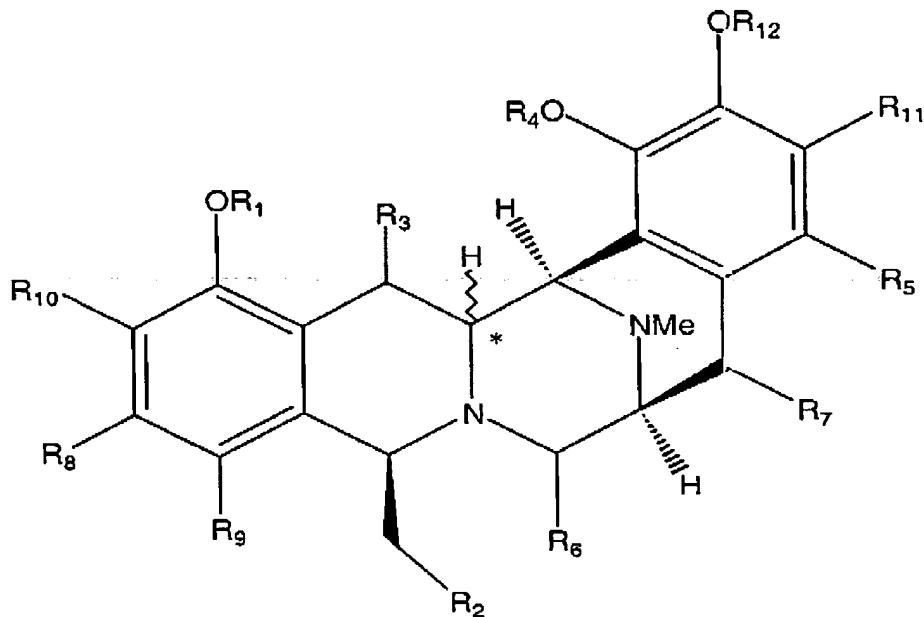
90. (Previously presented) The compound of claim 89, wherein R₆ is H and R₁ is CH₃.

91. (Previously presented) The compound of claim 89, wherein R₆ is =O and R₁ is H.

92. - 120. (Canceled)

Applicants : Samuel J. Danishefsky and Bishan Zhou
 Serial No. : 10/728,580
 Filed : December 5, 2003
 Page 19

121. (Currently Amended) A compound having the formula:



wherein R₁ and R₄ is H, a C₁ to C₄ alkyl group, C(O)(C₁-C₄ alkyl) or benzyl;

wherein R₂ is H, OH, O(C₁-C₄ alkyl), O-benzyl, OC(O)H, OC(O)(C₁-C₆ alkyl) OC(O)(C₁-C₄ alkyl), OC(O)benzyl, or OSi(CH₃)₂(t-butyl);

wherein R₃ is H;

wherein R₅ is H, halogen, OH, or -OC₍₁₋₆₎ alkyl group;

wherein R₆ is H, =O, OH, OCH₃, CN, OC(O)H, OC(O)(C₁-C₄ alkyl), or OC(O)benzyl;

wherein R₇ is H, =O, OH, OCH₃, or halogen;

wherein R₈ and R₉ are independently H, CH₃, OCH₃, OC₂H₅, Br, F, or CF₃;

wherein R₁₀ and R₁₁ are independently CH₃, OCH₃, OC₂H₅, SCH₃, or SC₂H₅;

wherein R₁₂ is H, a C₁ to C₄ alkyl group, or C(O)(C₁-C₄ alkyl); and

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 20

wherein the chiral center marked * has the R or the S configuration.